

Serial No. 10/528,318
Atty. Doc. No. 2002P15665WOUS

Amendments To The Claims:

Please amend the claims as shown.

1 – 12 (canceled)

13. (currently amended) An acousto-mechanical method for monitoring and carrying out a diagnosis of a technical installation, comprising:

uniquely assigning an acoustical signal to a specific failure of a rotatable component of the technical installation, wherein a frequency range of the uniquely assigned acoustic signal is selected to be human audible; and

mounting a vibratory device on the component, wherein the vibratory device is configured to generate the uniquely assigned acoustic signal in the event the specific failure of the component occurs.

~~whereby the acoustical signal is produced by a device assigned to the component and the device is activated mechanically in the event of the failure.~~

14. (currently amended) The method according to claim 13, wherein the device includes a plate capable of vibrating at a vibration frequency within the frequency range of the uniquely assigned acoustic signal ~~a human hearing frequency range~~ and the vibration frequency is a characteristic for the specific failure.

15. (currently amended) The method according to claim 13, wherein a number of devices are provided for the a single component or a number of devices are provided for a number of components, each device being assigned to a specific failure.

16. (currently amended) The method according to claim 13, wherein a number of devices are provided for the a single component and a number of components, each device being assigned to a specific failure.

Serial No. 10/528,318
Atty. Doc. No. 2002P15665WOUS

17. (currently amended) An acousto-mechanical apparatus for monitoring and carrying out a diagnosis for a power plant, comprising:

a vibratory device assigned to a component of the power plant for producing an uniquely assigned acoustical signal when a specific failure occurs in a rotatable component of the power plant, wherein a frequency range of the uniquely assigned acoustic signal is selected to be human audible.

~~wherein for at least one specific failure of the component and the device is being mechanically in case of occurrence of the failure.~~

18. (currently amended) The apparatus according to claim 17, wherein the device includes a plate capable of vibrating at a vibration frequency within the frequency range of the uniquely assigned acoustic signal ~~hearing frequency range~~ and the vibration frequency is a characteristic for said specific failure.

19. (currently amended) The apparatus according to claim 17, wherein a number of devices are provided for the a single component or a number of devices are provided for a number of components, each device being assigned to a specific failure.

20. (currently amended) The apparatus according to claim 17, wherein a number of devices are provided for the a single component ~~and a number of components~~, each device being assigned to a specific failure.

21-28. (canceled)